

# INDEX OF SUBJECTS.

## TRANSACTIONS, PROCEEDINGS, AND ABSTRACTS.

1904.

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 Indican.  
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- α*-Phenyl-*α*-2- and -4-pyridylethylenes and their salts (TSCHITSCHIBABIN), A., i, 524.
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- 2-Phenylpyrimidine, 4-mono- and 4:5-diamino-6-hydroxy-, and their salts (TRAUBE and HERRMANN), A., i, 633.
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**Toluene**, melting point of solid (ARCHIBALD and McINTOSH), A., i, 362.

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*p*-nitro-, volumetric estimation of, in crude nitrotoluene (GLASMANN), A., ii, 151.

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- Toluene-*o*- and -*p*-hydrazo-*m*- and -*p*-cresetoles** (JACOBSON and HUGERHOFF), A., i, 107.
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- p*-Toluenesulphonchloromethylamide** (CHATTAWAY), P., 208.
- Toluene- $\omega$ -sulphonic acid** (*benzylsulphonic acid*), compounds of, with aminocarboxylic esters (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 413.
- 3-amino-6-hydroxy-, and 3-nitro-6-hydroxy-** (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 579.
- 2-chloro-5-nitro-, and 5-nitro-2-amino-, and their salts** (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 662.
- Toluene- $\omega$ -sulphonic acids**, chlorinated, preparation of (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 390.
- p*-Toluenesulphon-*m*-iodo-anilide and -methylanilide** (ULLMANN), A., i, 727.
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- o*-Toluic acid**, salts of, with organic bases (SUDBOROUGH and ROBERTS), T., 241.
- o*-Toluic acid**, 5-bromo- (KONOWALOFF), A., i, 657.
- 3:5-dichloro-6-nitro-** (CROSSLEY), T., 281; P., 21.
- m*-Toluic acid**, 4:6-dinitro-, and its ethyl ester, and 6:4-nitroamino-, methyl ester (ERRERA and MALTESE), A., i, 307.
- p*-Toluic acid**, 6-nitro-3-hydroxy- ("6-nitro-3-hydroxy-2-cresotic acid") (BORSCHÉ and BERKHOUT), A., i, 416.
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- p*-Toluic selenoamide** (BECKER and MEYER), A., i, 698.
- o*-Toluidine**, phosphorus compounds of (LEMOULT), A., i, 380.
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- m*-Toluidine**, new sensitive indicator from (TRÖGER and HILLE), A., i, 118.
- p*-Toluidine**, reaction of, with epichlorohydrin (COHN and FRIEDLÄNDER), A., i, 866.

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- Toluidines**, action of dichloroacetic acid on (HELLER), A., i, 730.
- dibenzoyl derivatives**, transformation of, into the isomeric benzoylamino-methylbenzophenones (CHATTAWAY and LEWIS), T., 589; P., 60.
- o*- and -*p*-, *N*-lauroyl derivatives** (GUÉRIN), A., i, 136.
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- p*-Toluidinoacetonitrile** and its phenyl derivative (KNOVENAGEL, SCHLEUSSNER, and KLÜCKE), A., i, 989.
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- 4-*p*-Toluidinoanthraquinone**, 1-amino-, acetyl derivative (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 434.
- 1-hydroxy-** (*guinizarin-blue*), and 2-bromo-1-amino- (FRIEDLÄNDER and SCHICK), A., i, 679.
- $\beta$ -*o*-Toluidinobenzylacetacetic acid**, ethyl ester (RUHEMANN and WATSON), T., 1177.
- $\beta$ -*m*- and -*p*-Toluidinobenzylacetylacetones** (RUHEMANN and WATSON), T., 1174; P., 175.
- 1-*p*-Toluidino-2:4-dihydroxyanthraquinone**, 3-bromo- (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 934.
- p*-Toluidino-*p*-hydroxyphenylamine** (GNEHM and BOTS), A., i, 451.
- 2-Toluidino-3:5-dinitrobenzoic acids**, *o*-, *m*-, and *p*- (PURGOTTI and LUNINI), A., i, 315.
- Toluidinonitrobenzylsulphonic acids**, *o*- and *p*- (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 663.
- Toluquinonediphenylsemicarbazone** (BORSCHÉ and ZELLER), A., i, 1058.
- Toluquinoneimide** hydrochloride (SCHMIDT and SAAGER), A., i, 512.
- Toluyldiazides**, *o*-, *m*-, and *p*-, and their *N*-benzylidene and -hydroxybenzylidene derivatives (STOLLÉ and STEVENS), A., i, 626.
- p*-Toluylo-hydrazotoluene** and its benzoyl derivative (FREUNDLER), A., i, 34.
- Tolyl alkyl carbonates**, *o*- and *p*-, amino-, bromoamino-, bromonitro-, and nitro-derivatives and their salts (UPSON), A., i, 734.
- o*-Tolyl arabinoside** (RYAN and EBRILL), A., i, 223.
- 4-*p*-Tolylaminobenzoic acid**, 2-amino- and 2-nitro- (DELÉTRA and ULLMANN), A., i, 271.
- $\beta$ -Tolylaminonaphthalenesulphonic acids** and their derivatives (BUCHERER and STOHMANN), A., i, 395.

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- Tolylammonium** salts, isomerism of asymmetric (WEDEKIND and OBERHEIDE), A., i, 732, 992.
- Tolylanthranilic acids**, *o*- and *p*-, preparation of (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 159.
- Tolylaziminobenzoic acids**, 3:4-*o*- and *p*-(DELÉTRA and ULLMANN), A., i, 270.
- p*-Tolylaziminonaphthalene** and its picrate (ULLMANN, DELÉTRA, and KOGAN), A., i, 776.
- p*-Tolylazocyanacetic acid**, menthyl ester, rotation of (BOWACK and LARWORTH), T., 44.
- p*-Tolylbenzyl-methyl- and -ethyl-allylammonium** salts (WEDEKIND and OBERHEIDE), A., i, 733.
- p*-Tolyl isobutyl ketone**,  $\alpha$ -bromo- (KÜNKELL and STAHEL), A., i, 387.
- o*-Tolylcarbinol**, preparation of (TIFFENEAU and DELANGE), A., i, 48.
- p*-Tolyl-*p*-cresetylthiocarbamide** (JACOBSON and HUGERSHOFF), A., i, 107.
- Tolyldinaphthaxanthene**, hydroxy-, and their acetyl derivatives (FOSSE), A., i, 336.
- Tolylene-2:4-bisacetonylsulphone** (TRÖGER and MEINE), A., i, 31.
- Tolylene-2:4-bisalkylsulphones** (TRÖGER and MEINE), A., i, 31.
- Tolylene-2:4-bis-sulphone-acetic and -butyric acids** and their esters (TRÖGER and MEINE), A., i, 31.
- m*-Tolylene-carbamide**, preparation of (KALLE & Co.), A., i, 346.
- Tolylene-2:4-diamine** monothiocyanate (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 870.
- Tolylenediaminesulphonic acids** (BÜCKEL), A., i, 532.
- Tolylenedicarbamide**, action of sulphur on (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 1062.
- p*-Tolylenediglycine** and its nitrile (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 153.
- Tolylenedimethyldiamine**, nitro- (FISCHER and HESS), A., i, 195.
- Tolylene-3:5-dimethyldiamine** (3:5-dimethyldiaminotoluene), 2:4-*di*- and 2:4:6-*tri*-nitro- (BLANKSMA), A., i, 566.
- Tolylenetoluene-2:4-dithiosulphonate** (TRÖGER and MEINE), A., i, 31.
- p*-Tolylguanidine** and its nitrate (KÄMPF), A., i, 534.
- o*-Tolylindigotin**, bromo-derivatives (BADISCHE ANILIN- & SODA-FABRIK), A., i, 1020.

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- p*-Tolylmethylethylallylammonium** salts (WEDEKIND and OBERHEIDE), A., i, 732.
- o*-Tolyl-1-methyl-3-ethylphenyl-4-iodinium** hydroxide and salts (WILLGERODT and BRANDT), A., i, 658.
- 6-*p*-Tolyl-3-methylnaphthalene** (AUWERS and KEIL), A., i, 26.
- 1-*o*-Tolyl-3-methylpyrazole**, 5-chloro-, and its additive salts (MICHAELIS and EISENSCHMIDT), A., i, 624.
- p*-Tolynitromethane**. See *p*-Xylene,  $\omega$ -nitro-.
- a-m*-Tolyl- $\alpha$ -furylacrylic acid** and its anhydride, phenyl ester, and aniline salt (PALADINO), A., i, 180.
- p*-Tolyl-*p*-phenetylthiocarbamide** (JACOBSON and HUGERSHOFF), A., i, 107.
- Tolylpiperidylcarbamide**, nitro- (BOUCHETAL DE LA ROCHE), A., i, 189.
- $\beta$ -*p*-Tolylpropionitrile**,  $\beta$ -imino-, action of amyl nitrite on (LUBLIN), A., i, 890.
- Tolylpyrroles**, 1-*o*-, 1-*p*-, 2-*o*-, and 2-*p*-(PICTET and LONG), A., i, 772.
- p*-Tolylsulphonealkyl alcohols** (KÖHLER and REIMER), A., i, 233.
- $\beta$ -*p*-Tolylsulphone-propionic acid** and  $\beta$ -phenylpropionic acid (KÖHLER and REIMER), A., i, 234.
- p*-Tolylsulphonepyrotartaric acid** (KÖHLER and REIMER), A., i, 234.
- p*-Tolyltaurine** and its salts (WOLFBAUER), A., i, 869.
- Tolylthiocarbamide**, amino- (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 869.
- Tolylurethanes**, *m*- and *p*-, bromohydroxy- and hydroxy-derivatives (UPSON), A., i, 735.
- $\gamma$ -Tolylvaleric acid** (EIJKMAN), A., i, 669.
- Tonometric formulæ** (ARIÈS), A., ii, 707.
- Tourmaline** from Östergötland (HAMBERG), A., ii, 744.
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- Toxicity** of benzene and its homologues (CHASSEVANT and GARNIER), A., ii, 66.
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- Toxins** and antitoxins from the physico-chemical point of view (KÖPPE), A., ii, 650.
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- and enzymes, action of fluorescent substances on (V. TAPPEINER), A., i, 131.

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- Transformation and solidification, phenomena of, in the systems,  $\text{NH}_4\text{NO}_3 \cdot \text{AgNO}_3$  and  $\text{KNO}_3 \cdot \text{AgNO}_3$  (ROOZEBOOM), A., ii, 112.**  
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- Transition temperature.** See under Thermochemistry.
- Transpiration in green leaves when the upper or under surfaces are exposed to light (GRIFFON), A., ii, 70.**  
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- Trees, influence of manganese on (LOEW and HONDA), A., ii, 766.**
- Triacetic- $\delta$ -lactone and its derivatives (DIECKMANN and BREEST), A., i, 846.**
- Trianilinoanthraquinone (FARBEN-FABRIKEN VORM. F. BAYER & CO.), A., i, 814.**
- 1:3:5-Trianilinobenzene, 2-chloro-4:6-dinitro-, and its additive compounds (JACKSON and CARLTON), A., i, 485.**
- Triarylbutadienedicarboxylic acids (STORBE, K. and P. KOHLMANN, and NAOMI), A., i, 672.**
- Triarylphosphine oxides (SAUVAGE), A., i, 1072.**
- Triazens (WOLFF and LINDENHAYN), A., i, 701.**
- Triazines (WOLFF and LINDENHAYN), A., i, 197.**
- 1:2:3-Triazole, 1-amino-, derivatives of (WOLFF and HALL), A., i, 120.**
- Triazolidine-4-acetic acid, 1:2-dihydroxy-, ethyl ester, and its metallic derivatives (H. and A. v. EULER), A., i, 197.**
- Triazoline 4-acetic acid, 1-hydroxy-, and its barium derivative (H. and A. v. EULER), A., i, 197.**
- Tribenzoylhydrazine (STOLLÉ), A., i, 453; (STOLLÉ and BENRATH), A., i, 935.**
- Tribenzylacetone, tri-*p*-nitro-, and its dicarboxylic acid, ethyl ester (FICHTER and WORTSMANN), A., i, 592.**
- Tribenzylcarbinol (KLAGES and HEILMANN), A., i, 488.**
- Tribenzyldecacyclene, synthesis of (DZIEWOŃSKI and DORTA), A., i, 803.**
- Tribenzylstannic chloride (PFEIFFER and SCHNURMANN), A., i, 232.**
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- Tribenzyltrinaphthylbenzene.** See Tribenzyldecacyclene.
- $\beta\beta\epsilon$ -Tribenzyltrisulphonehexane (POSNER), A., i, 324.**
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- Tricarballic acid,  $\beta$ -bromo-, methyl ester (BERTRAM), A., i, 12.**  
 $\beta$ -chloro-, methyl ester, action of, on ethyl sodiomalonate and ethyl sodioacetoacetate (BERTRAM), A., i, 12.
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